

# Armed Services Technical Information Agency

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*Federal  
Telecommunication  
Laboratories, Inc.*

67 BROAD STREET  
NEW YORK 8, N. Y.

500 WASHINGTON AVENUE  
MUTLEY, N. J.

NATIONAL DEFENSE CONTRACT  
MONTHLY PROGRESS REPORT NO. 1  
PRODUCTION REFINEMENT OF SHF-BAND  
HIGH-FREQUENCY TRAVELING-WAVE TUBES  
Contract No. AF33(600)-26110  
January 1954

CASE NOS: 4-1312-51  
4-1312-52  
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FEDERAL TELECOMMUNICATION LABORATORIES,  
*a division of International Telephone and Telegraph Corporation*

500 WASHINGTON AVENUE  
MUTLEY 10, NEW JERSEY

Prepared By: A. B. WOLF  
Approved By: A. K. WING, JR.

COPY NO. 5  
March 1954

AIR MATERIEL COMMAND  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

MONTHLY PROGRESS REPORT NO. 1

**PRODUCTION REFINEMENT OF SHF-BAND  
HIGH-FREQUENCY TRAVELING-WAVE TUBES**

During the initial interval plans were made for the selection or design, procurement, and installation of facilities for the pilot-production layout. These plans include the integration of special equipment with the existing model shop facilities. New facilities will only be added when present laboratory equipment does not lend itself to production-type operation or is unavailable due to previous commitments.

Because of present space limitations, however, rearrangement and expansion of the area is required. Additional space is being made available through the reorganization of this laboratory. Floor plans were completed for the relocation and installation of existing and new equipment. Rearrangement of the test and shop area has been started.

The plant engineering department of the laboratory is preparing specifications for subcontracting such plant construction work as may be required. The development of specifications for special equipment has started. This includes the equipment for an air-filtering and tempering system. Final plans for this system will be completed during the next interval and then submitted to potential bidders.

Planning has been started on the development engineering work of the contract.

During the next interval planning for the equipment and facilities to be used will be continued. A detailed plan for engineering work on the contract will be completed.